PROX10/10H

Proximity Reader

IDTECK

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1. SAFETY INFORMATION

This caution is for safety and preventing damage of property
Please read these instructions and follow them.

1) Acquaint yourself with all instructions thoroughly.
2) Heed all warnings and follow the instruction on the product.

Keep the instruction in a conspicuous place so administrator can see it always.

Power supply and installation	● Power Supply must be DC 12V.
	   - Higher voltage might cause electric shock,
	     fire and damage on the product.
	
	● Do not install the unit in humid, dusty, or sooty locations.
	   - Doing so may cause fire or electric shock. .
	
	● Do not install the unit where motor runs always.
	   - Doing so may cause malfunction of the unit.
	
	● Keep out of direct sunlight and heat radiation sources.
	   - It may cause fire.
	
	● If this product fails to operate normally, contact the engineer.
	   Never disassemble or modify this product in any way.
	   - Doing so may cause electric shock and fire.
	
	● Remove the power plug from the outlet when dealing with the unit.
	   Do not touch the unit with the device like driver in hand.
	   - Doing so may cause fire and damage on the device.

Operation and maintenance	● When cleaning, do not spray water directly onto parts of the product nor benzene, thinner. 　– Doing so may cause fire or electric shock or damage on the unit. ● Do not randomly change the wiring installed by engineer or expert. 　– Doing so may cause fire or malfunction or damage of the unit. ● Do not let the unit be touched by person expect administrator for unusual purpose of using. 　– Doing so may cause malfunction

Etc.	● Never disassemble or modify this product in any way. 　– Contact the nearest service center when repair is needed. 　– This may cause electric shock or fire. ● Keep the product out of spray or combustible substances. 　– Doing so may cause explosion or fire

Damage requiring repair	● Contact service center in following circumstances. 　– When liquid has been spilled or objects have fallen into the apparatus. 　– When the apparatus has been exposed to rain or moisture. 　– When the apparatus does not operate normally. 　– When there has been apparent change in operating of the apparatus. 　– When the apparatus has been dropped or the external case has been damaged.

When malfunction is caused by improper handling,
service center can charge cost

2. PRODUCT INTRODUCTION

PROX10 / PROX10H have sophisticated design as well as maximum recognition distance of 4 inch. This proximity reader can be easily attached to a metal or doorframe or the wall. Featured by the epoxy adhesion, PROX10 /PROX10H have high level of weather-proofing in any challenging weather conditions. This model contains red and blue inside and Piezo buzzer guarantees accurate and reliable system operation.

3. IDENTIFYING SUPPLIED PARTS

Please unpack and check the contents of the box.

Reader Module	Bezel	Quick Installation Guide
(1 ea)	(1 ea)	(1 copy)

4. PRODUCT SPECIFICATION

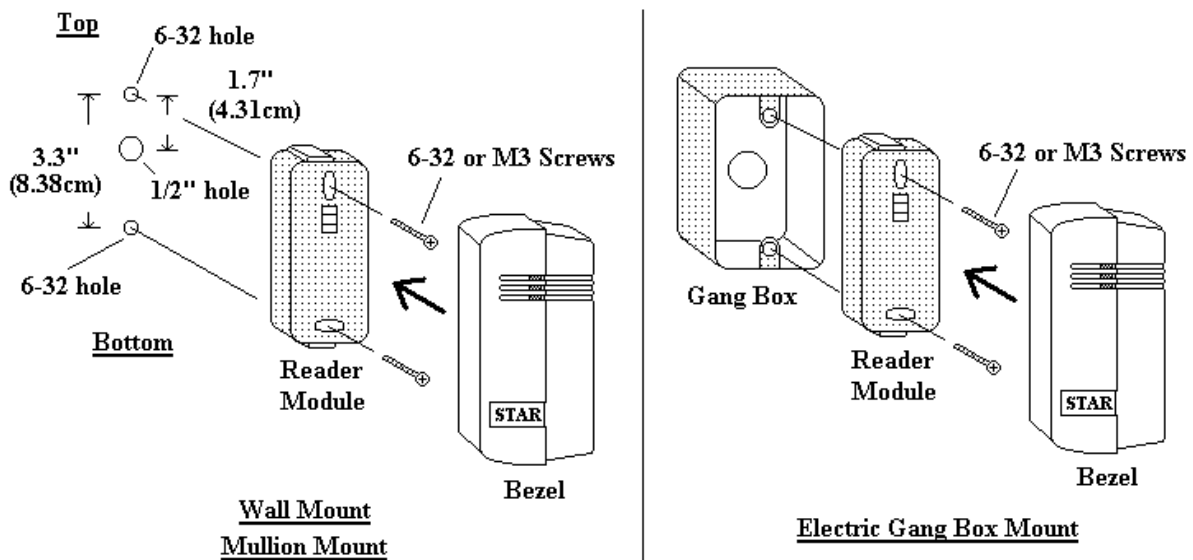|	
Recognition distance /time	4"(10cm) / 30ms
Power/Current	DC 12V, Max. 150mA
Output	26 bit Wiegand, 34bit Wiegand, RS232C
External buzzer control input	Low Active, DC 0 ~ 12V, Max. 50 mA
External LED control input Low Active	Low Active, DC 0 ~ 12V, Max. 50 mA
LED/buzzer	2 Color LED(Red/Blue) / Piezo Buzzer
Color	Dark Pearl Gray
Operating temperature/humidity	14°F ~ 140°F(-10℃ ~ +60℃), 10~90%(Humidity)
Size(WxHxD)	1.92" x 4.33" x 0.85"(49x110x21.5mm) PROX10 and PROX10H are the same size.
Weight	0.26lb(120g)

5. PRODUCT INSTALLATION

5-1. Inserting into doorframe / Attaching to wall
    The distance between two 6-32/M3 holes which are located vertically is 3.3"(8.38cm). One 1/2" hole between them is for cable from the reader and has 1.7"(4.31cm) of distance from upper hole. **(If it has been attached already, you can skip this part)**
  5-2. Insert the reader cable to the hole in the middle and fix reader module with two 6-32/M3 screws.
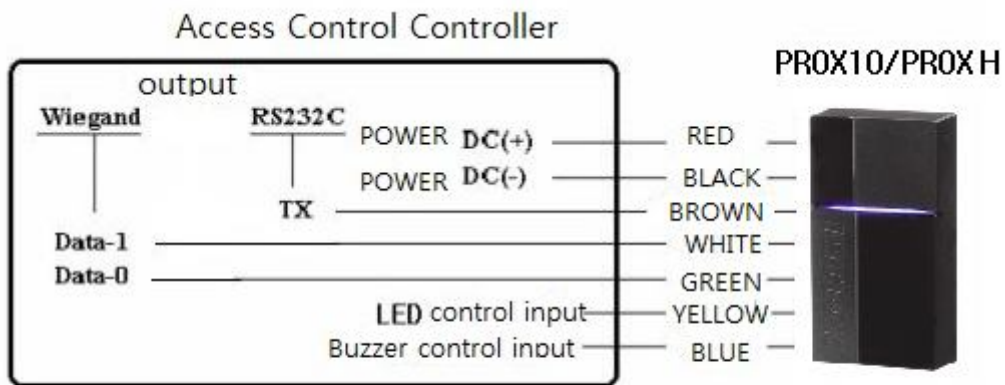 5-3. put the reader module in Bezel and push it until it clicked shut.

6. WIRE COLOR TABLE

Signal	COLOR
Main Power (+12V)	Red
Power Ground (GND)	Black
Wiegand Data 0 Out	Green
Wiegand Data 1 Out	White
Buzzer Control In	Blue
LED Control In	Yellow
RS232C (TX)	Brown
* Please cut out tail connector before installation.	

7. WIRING DIAGRAM

Wiring Diagram

8. OPERATIONS

8-1. When power is applied to the reader, buzzer that indicates initialization is generated. And the Blue LED is lit once the initialization is completed. And the reader becomes standby mode.

8-2. Put the card near the reader until LED light changes from blue to red and buzzer is generated. Reader sends the data to controller and becomes standby mode for following card reading.

8-3. LED Control
Color of LED can be changed by connecting LED control input(Yellow wire) to GND. It becomes standby mode with red LED is on. If card is scanned, LED light changes from red to blue. And then it comes back to red for following card reading.

8-4. Buzzer control;
Normally reader makes buzzer sound only once when card is scanned. Both authorized case and unauthorized case make buzzer sound once. However buzzer sound can be multiple if buzzer control input (blue wire) is connected to GND. It's applied to unauthorized case only. When buzzer control wire is connected to GND, it keeps making buzzer sound.

9. FCC REGISTRATION INFORMATION

FCC REQUIREMENTS PART 15

Caution: Any changes or modifications in construction of this device which are not expressly approved by the responsible for compliance could void the user's authority to operate the equipment.

NOTE: This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions;

1. This device may not cause harmful interface, and

2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to this equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the radio or television off and on, the user is encouraged to try to correct interference by one or more of the following measures.

1. Reorient or relocate the receiving antenna.

2. Increase the separation between the equipment and receiver.

3. Connect the equipment into an outlet on another circuit.

4. Consult the dealer or an experienced radio/TV technician for help.

10. PRODUCT MANUAL DOWNLOAD INFORMATION

This Quick Installation Guide is a manual to provide product's basic installation information only. If you need all the information of the product, please download detailed manual following the steps specified below.

For registered users of our homepage

1. Visit IDTECK's homepage (www.idteck.com).
2. Click the Sign in button at the top of the homepage and log in using your registered ID and P/W.
3. Click the 'PRODUCT' menu at the main page of our website and select the product that you wish to download a manual for.
4. At the bottom part of the product's page you selected, click "DOWNLOAD" button and download the manual.

For un-registered users of our homepage

1. Visit IDTECK's homepage (www.idteck.com).
2. Please click "Member Join" menu at the top of our homepage and register your details following the registration process.
3. You can use your ID and P/W after web administrator approves it. Once it's approved, then please refer to "For registered users of our homepage" above.

Please contact us as below   if you have any enquiries or issues arise.

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MEMO

The specifications contained in this manual are subject to change without notice at any time.

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